



1632

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

PATENT

Applicants: Pradip Mukerji, et al.

Serial No.: 10/054,534

Filed: January 22, 2002

For: DESATURASE GENES AND USES
THEREOF

Attorney Docket No.: 6763.US.P1

Group Art No.: 1632

Certificate of Mailing under 37 CFR §1.8(a):

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Kimberly A. Iorio 58-03
Kimberly A. Iorio Date

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith for the patent application identified above entitled DESATURASE GENES AND USES THEREOF are the following:

1. Supplemental Information Disclosure Statement (1 Page);
2. Copy of International Search Report (5 Pages);
3. Form PTO-1449 (1 Page), in duplicate;
4. References as cited on PTO 1449 (14 references); and
5. Return Receipt Postcard.

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR §1.16, as well as any patent application processing fees under 37 CFR §1.17 associated with this communication for which full payment had not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.



23492

ABBOTT LABORATORIES
Telephone: (847) 935-1729
Facsimile: (847) 938-2623

Respectfully submitted,
Pradip Mukerji, et al.

Cheryl L. Becker
Cheryl L. Becker
Registration No. 35,441
Attorney for Applicants

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Kimberly A. Iorio 5-8-03
Kimberly A. Iorio

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following information is submitted pursuant to 37 C.F.R. §1.97 and §1.98 in accordance with Applicants' duty of disclosure under 37 C.F.R. §1.56. This submission is not an admission that the documents cited herein are prior art as to the invention claimed. In accordance with 37 CFR §§1.97(g)-(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that other material information as defined by 37 CFR §1.56(a) exists.

Applicants submit herewith Form PTO-1449 listing the references known to them. Applicants respectfully request that the Examiner (1) initial each reference listed on the enclosed Form PTO-1449 indicating that the Examiner has considered and made those references of record in this application and (2) return a copy of the initialed Form PTO-1449 to Applicants. Copies of the references are also enclosed.

Each document listed in this Supplemental Information Disclosure Statement was first cited by a foreign patent office in a communication from the European Patent Office in counterpart International PCT Application No. PCT/US02/01924.

This Supplemental Information Disclosure Statement is being filed, to the knowledge of the undersigned, before the mailing date of a first Office Action on the merits under 37 CFR §1.97(b). Authorization to charge Deposit Account No. 01-0025 any additional fees (or credit any over payments) that may be required under 37 C.F.R. §§ 1.16 and 1.17 in association with this communication for which full payment has not been tendered is provided in the Transmittal Letter, submitted herewith.



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Respectfully submitted,
Pradip Mukerji, et al.

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DATE: May 8, 2003

SHEET 1 of 1

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

6763.US.P1

10/054,534

APPLICANT

P. Mukerji, et al.

FILING DATE

January 22, 2002

GROUP

1632

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98 (b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
A1	5,972,664 A					

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION YES NO
B1	WO 93/06712 A	04/15/93	PCT			
B2	WO 00/20603 A	04/13/00	PCT			
B3	WO 02/26946	04/04/02	PCT			
B4	WO 99/61602 A	12/02/99	PCT			
B5	1035207 A	09/13/00	EPO			
B6	WO 00/0075341	12/14/00	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

C1	Qiu, Xiao, et al., "Identification of a DELTA4 Fatty Acid Desaturase from Thraustochytrium sp. Involved in the Biosynthesis of Docosahexanoic Acid by Heterologous Expression in Saccharomyces Cerevisia and Brassica Juncea," <u>Journal of Biological Chemistry</u> , Vol. 276, No. 34, (08/24/01) pages 31561-31566
C2	Saito, Tamao and Ochia, Hiroshi, "Identification of DELTA5-Fatty Acid Desaturase from the Cellular Slime Mold Dictyostelium Discoideum," <u>Eur. J. Biochem.</u> , Vol. 265, (1999), pages 809-814
C3	Leonard, Amanda E., et al., "cDNA Cloning and Characterization of Human DELTA5-Desaturase Involved in the Biosynthesis of Arachidonic Acid," <u>Biochem J.</u> , Vol. 347, (2000), pages 719-724
C4	Cho, Hyekyung P., et al., "Cloning, Expression, and Fatty Acid Regulations of the Human DELTA-5 Desaturase," <u>The Journal of Biological Chemistry</u> , Vol. 274, No. 52, (12/24/99) pages 37335-37339
C5	Sakuradani, Eiji, et al., "DELTA6-Fatty Acid Desaturase from and Arachidonic Acid-Producing Mortierella Fungus Gene Cloning and its Heterologous Expression in a Fungus, Aspergillus," <u>GENE: An International Journal on Genes and Genomes</u> , Vol. 238, No. 2, (1999), pages 445-453
C6	Huang, Yung-Sheng, et al., "Cloning of DELTA12- and DELTA6-Desaturases from Mortierella Alpina and Recombinant Production of GAMMA-Linolenic Acid in Saccharomyces Cerevisiae," <u>Lipids</u> , Vol. 34, No. 7, (07/99), pages 649-659
C7	Alonso, D. Lopez, et al., "Plants as 'Chemical Factories' for the Production of Polyunsaturated Fatty Acids," <u>Biotechnology Advances</u> , Vol. 18, (2000), pages 481-497

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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